

OIEP

## RAW SEQUENCE LISTING

DATE: 07/23/2001

PATENT APPLICATION: US/09/899,440

TIME: 13:18:14

Input Set : A:\63180.txt

Output Set: N:\CRF3\07232001\I899440.raw

3 <110> APPLICANT: Stein, Cy  
 5 <120> TITLE OF INVENTION: PHOSPHOROTHIOATE ANTISENSE HEPARANASE OLIGONUCLEOTIDES  
 7 <130> FILE REFERENCE: 0575/63180  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/899,440  
 C--> 9 <141> CURRENT FILING DATE: 2001-07-05  
 9 <160> NUMBER OF SEQ ID NOS: 18  
 11 <170> SOFTWARE: PatentIn version 3.0  
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 15 <212> TYPE: DNA  
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 19 <221> NAME/KEY: misc\_feature  
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 21 <223> OTHER INFORMATION: anitsense oligonucleotide LB63  
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 49 <221> NAME/KEY: misc\_feature  
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 51 <223> OTHER INFORMATION: antisense oligonucleotide LB65  
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 64 <221> NAME/KEY: misc\_feature  
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 70 gtccaggagc aactgagcat 20

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255 <212> TYPE: DNA
256 <213> ORGANISM: Homo Sapiens
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261 ccgctgggtc cctctcccc tggcgccctg ccccgacctg cgcaagcaca gcaggacgtc 120
263 gtggacctgg acttcttcac ccaggagccg ctgcacctgg tgagcccctc gttcctgtcc 180
265 gtcaccattg acgccaacct ggccacggac ccgcggttcc tcatectcct gggttctcca 240
267 aagcttcgta ccttggccag aggcttgtct cctgcgtacc tgaggtttgg tggcaccaag 300
269 acagacttcc taattttcga tccaagaag gaatcaacct ttgaagagag aagttactgg 360
271 caatctcaag tcaaccagga tatttgcaaa tatggatcca tccctcctga tgtggaggag 420
273 aagttacggt tggaatggcc ctaccaggag caattgctac tccgagaaca ctaccagaaa 480
275 aagttcaaga acagcaccta ctcaagaagc tctgtagatg tgctatacac ttttgcaaac 540
277 tgctcaggac tggacttgat ctttggccta aatgcgttat taagaacagc agatttgcag 600
279 tggaacagtt ctaatgctca gttgctcctg gactactgct cttccaaggg gtataacatt 660
281 tcttgggaac taggcaatga acctaacagt ttccttaaga aggctgatat tttcatcaat 720
283 gggtcgcagt taggagaaga ttttattcaa ttgcataaac ttctaagaaa gtccaccttc 780
285 aaaaatgcaa aactctatgg tcctgatgtt ggtcagcctc gaagaaagac ggctaagatg 840
287 ctgaagagct tcctgaaggc tggtaggagaa gtgattgatt cagttacatg gcatcactac 900
289 tatttgaatg gacggactgc taccagggaa gattttctaa accctgatgt attggacatt 960
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295 tttgcagctg gctttatgtg gctggataaa ttgggcctgt cagcccgaat gggaaatagaa 1140
297 gtggtgatga ggcaagtatt ctttggagca ggaaactacc atttagtgga tgaaaacttc 1200
299 gatcctttac ctgattattg gctatctctt ctgttcaaga aattggtggg caccaaggtg 1260
301 ttaatggcaa gcgtgcaagg ttcaaagaga aggaagcttc gagtatacct tcattgcaca 1320

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303 aacactgaca atccaaggta taaagaagga gatttaactc tgtatgccat aaacctccat 1380
305 aacgtcacca agtaacttgcg gttaccctat cctttttcta acaagcaagt ggataaatac 1440
307 cttctaagac ctttgggacc tcatggatta ctttccaaat ctgtccaact caatggtcta 1500
309 actctaaaga tggatggatga tcaaacccttg ccaccttttaa tggaaaaaacc tctccggcca 1560
311 ggaagttcac tgggcttgcc agctttctca tatagttttt ttgtgataag aaatgccaaa 1620
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318 <212> TYPE: PRT
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326 Leu Leu Leu Gly Pro Leu Gly Pro Leu Ser Pro Gly Ala Leu Pro Arg
327 20 25 30
329 Pro Ala Gln Ala Gln Gln Asp Val Val Asp Leu Asp Phe Phe Thr Gln
330 35 40 45
332 Glu Pro Leu His Leu Val Ser Pro Ser Phe Leu Ser Val Thr Ile Asp
333 50 55 60
335 Ala Asn Leu Ala Thr Asp Pro Arg Phe Leu Ile Leu Leu Gly Ser Pro
336 65 70 75 80
338 Lys Leu Arg Thr Leu Ala Arg Gly Leu Ser Pro Ala Tyr Leu Arg Phe
339 85 90 95
341 Gly Gly Thr Lys Thr Asp Phe Leu Ile Phe Asp Pro Lys Lys Glu Ser
342 100 105 110
344 Thr Phe Glu Glu Arg Ser Tyr Trp Gln Ser Gln Val Asn Gln Asp Ile
345 115 120 125
347 Cys Lys Tyr Gly Ser Ile Pro Pro Asp Val Glu Glu Lys Leu Arg Leu
348 130 135 140
350 Glu Trp Pro Tyr Gln Glu Gln Leu Leu Leu Arg Glu His Tyr Gln Lys
351 145 150 155 160
353 Lys Phe Lys Asn Ser Thr Tyr Ser Arg Ser Ser Val Asp Val Leu Tyr
354 165 170 175
356 Thr Phe Ala Asn Cys Ser Gly Leu Asp Leu Ile Phe Gly Leu Asn Ala
357 180 185 190
359 Leu Leu Arg Thr Ala Asp Leu Gln Trp Asn Ser Ser Asn Ala Gln Leu
360 195 200 205
362 Leu Leu Asp Tyr Cys Ser Ser Lys Gly Tyr Asn Ile Ser Trp Glu Leu
363 210 215 220
365 Gly Asn Glu Pro Asn Ser Phe Leu Lys Lys Ala Asp Ile Phe Ile Asn
366 225 230 235 240
368 Gly Ser Gln Leu Gly Glu Asp Phe Ile Gln Leu His Lys Leu Leu Arg
369 245 250 255
371 Lys Ser Thr Phe Lys Asn Ala Lys Leu Tyr Gly Pro Asp Val Gly Gln
372 260 265 270
374 Pro Arg Arg Lys Thr Ala Lys Met Leu Lys Ser Phe Leu Lys Ala Gly
375 275 280 285
377 Gly Glu Val Ile Asp Ser Val Thr Trp His His Tyr Tyr Leu Asn Gly
378 290 295 300

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## VERIFICATION SUMMARY

DATE: 07/23/2001

PATENT APPLICATION: US/09/899,440

TIME: 13:18:15

Input Set : A:\63180.txt

Output Set: N:\CRF3\07232001\I899440.raw

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L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
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L:31 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:46 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:61 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:76 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
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L:121 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8  
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